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Ser. No. 09/700,566

## AMENDMENTS TO THE CLAIMS:

Please replace the claims with the claims provided in the listing below wherein status, amendments, additions and cancellations are indicated.

1. (Currently Amended) A An unbonded maraging steel plate with a thickness less than 0.5 mm. and comprising:

a chemical composition consisting essentially of, in % by weight:

C: 0.01% or less,

Ni: 8-19%,

Co: 8-20%,

Mo: 2-9%,

Ti: 0.1-2%,

A1: 0.15% or less,

N: 0.003% or less,

O: 0.0015% or less,

and the balance Fe; and

the Ti component segregation ratio and the Mo component segregation ratio in its structure of 1.3 or less each.

2. (Withdrawn) A process for producing a maraging steel comprising the steps of:

melting a steel with the composition as described in Claim 1;

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casting the molten steel to obtain a steel ingot;

hot forging the steel ingot at a forging ratio of at least 4 for a forged piece;

then submitting to soaking treatment by keeping the forged piece one or

more times at a temperature range of 1100-1280°C for a total hot holding time of

10-100 hours; and

then plastic working the forged piece.

3. (Currently Amended) A An unbonded maraging steel plate with a thickness less than 0.5 mm. and comprising:

a chemical composition consisting essentially of, in % by weight:

C: 0.01% or less,

Ni: 8-19%,

Co: 8-20%,

Mo: 2-9%,

Ti: 0.1-2%,

A1: 0.15% or less,

N: 0.003% or less,

O: 0.0015% or less,

and the balance Fe; and

a nonmetallic inclusion having a size of 30  $\mu m$  or less when the size of the nonmetallic inclusion is expressed by the diameter of a corresponding circle taking

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the circumferential length of the nonmetallic inclusion to be the circumference of the corresponding circle.

- 4. (Previously presented) The maraging steel plate as set forth in Claim 3, wherein the Ti component segregation ratio and the Mo component segregation ratio in its structure is of 1.3 or less each.
- (Withdrawn) A process for producing a maraging steel comprising the steps of;

melting a steel having the chemical composition as described in Claim 3; casting the molten steel to obtain a steel ingot of a taper Tp = (D1 - D2) x 100/H of 5.0-25.0%, a height-diameter ratio Rh = H/D of 1.0-3.0, and a flatness ratio B = W1/W2 of 1.5 or less, taking the diameter of a corresponding circle with a circumference corresponding to the circumferential length of the top of the steel ingot as D1, the diameter of a corresponding circle with a circumference corresponding to the circumferential length of the bottom of the steel ingot as D2, the height of the steel ingot as H, the diameter of a corresponding circle with a circumference corresponding to the circumferential length of the steel ingot at a location of H/2 as D, and the length of the long side and length of the short side of the steel ingot at a location of H/2 as W1 and W2, respectively; and

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plastic working the steel ingot to make the size of a nonmetallic inclusion in the steel be  $30 \,\mu m$  or less when the size of the nonmetallic inclusion is expressed by the diameter of a corresponding circle taking the circumferential length of the nonmetallic inclusion to be the circumference of the corresponding circle.

6. (Withdrawn) A process for producing a maraging steel comprising the steps of;

melting a steel having the chemical composition as described in claim 3; casting the molten steel to obtain a steel ingot of a taper Tp = (D1 - D2) x 100/H of 5.0-25.0%, a height-diameter ratio Rh = H/D of 1.0-3.0, and a flatness ratio B = W1/W2 of 1.5 or less, taking the diameter of a corresponding circle with a circumference corresponding to the circumferential length of the top of the steel ingot as D1, the diameter of a corresponding circle with a circumference corresponding to the circumferential length of the bottom of the steel ingot as D2, the height of the steel ingot as H, the diameter of a corresponding circle with a circumference corresponding to the circumferential length of the steel ingot at a location of H/2 as D, and the length of the long side and length of the short side of the steel ingot at a location of H/2 as W1 and W2, respectively;

forging the steel ingot at a forging ratio of at least 4 for a forged piece;

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then submitting to soaking treatment by keeping the forged piece one or more times in a temperature range of 1100-1280°C for a total hot holding time of 10-100 hours; and

then plastic working the forged piece to make the size of a nonmetallic inclusion in the steel be 30  $\mu$ m or less when the size of the nonmetallic inclusion is expressed by the diameter of a corresponding circle taking the circumferential length of the nonmetallic inclusion to be the circumference of the corresponding circle.

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